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REPORT NO. 2

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MEASUREMENT SECTION  
CURRENT SERIAL RECORDS

## Cotton Fiber and Processing Test Results

CROP of

1975



Agricultural Marketing Service  
U.S. DEPARTMENT OF AGRICULTURE  
Memphis, Tenn. 38122 September 12, 1975

COTTON FIBER AND PROCESSING TEST RESULTS, CROP OF 1975

Discussion of Test Results

The average Fibrograph length and uniformity of medium staple cotton samples tested from the Southwest is the same as a year earlier, according to the Cotton Division, Agricultural Marketing Service. The average mike is also the same as a year ago. Zero gage and 1/8 inch gage fiber tests show this season's cotton to be weaker than last season's. Picker and card waste is lower than last year. Yarns spun from these samples show higher appearance grades. There are more yarn imperfections and the average spinning potential number is lower than a year ago.

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These reports are published bi-weekly during the harvesting season and will be summarized in a comprehensive report at the end of the crop year. A detailed description of the tests shown in this report may be found in the summary report for the previous season.<sup>1/</sup> These reports are available on request from the Standardization Section, Cotton Division, Agricultural Marketing Service, U. S. Department of Agriculture, 4841 Summer Avenue, Memphis, TN 38122.

1/ Summary of Cotton Fiber and Processing Test Results, Crop of 1974, USDA, AMS, Cotton Division, May 1975.

Table 1.--Cotton:

Averages of fiber and processing tests from selected gin points in the United States  
through September 5, 1975 1/

Staple group Area, and Crop year	Lots tested	Fiber test results						Processing test results												
		Fibrograph		Mike fine- ness	Fiber strength		S A nonlint	P & C waste	Yarn quality		Spin. Potent.									
		2.5% span	50/2.5 unif.		Pct.	Rdg.			Mpsi	G/tex		Pct.	Lbs.	Index	No.					
				Inches			Pct.	Rdg.			Mpsi					G/tex	Pct.	Lbs.	Index	No.
Medium Staple: Southwest 1974 1975	20	1.08	45	4.4	84	23	2.5	5.6	106	96	17	63								
	11	1.08	45	4.4	80	22	2.4	4.3	104	103	21	59								

1  
3  
1Significant difference 2/

0.02 2 0.2 2 0.5 0.5 4(22s) 5 2 3

1/ Based on a limited number of samples of modal quality2/ Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples.

Table 2 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1975

Production Area, Classification				Fiber Test Results						Processing Test Results - Carded Yarns													
Sample Number				Digital Fibrograph		Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint		Color Raw Stock		P & C Waste		Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Potential
				2.5% span	Unif.	Mike	Zero Gage		1/8" Gage	Pct	G/tex	Pct	No	Yel	Pct	Lbs	22s or 27 tx	50s or 12 tx	Pct	22s or 27 tx	50s or 12 tx	No	
No	Grade	Name & Code		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No	
SOUTHWEST SOUTH TEXAS																							
DANEVANG																							
1	SIM	41	35	1.13	43	4.4	82	24		7.5	3.3	1	3	75 PERCENT		39	6.7	5.0	90	70	29	22	68
LOS FRESNOS																							
2	SIM	41	34	1.11	44	4.5	91	23		5.5	2.8	2	3	99 PERCENT		36	5.5	4.0	100	80	18	16	58
SEBASTIAN																							
3	SIM LT SP	42	33	1.05	45	4.4	79	22		6.3	3.3	4	4	98 PERCENT		30	6.0	4.1	100	90	21	17	51
TAFT																							
2	SIM	41	34	1.09	46	4.3	78	21		6.8	2.4	2	3	95 PERCENT		35	6.4	4.7	100	80	20	14	61
BATESVILLE																							
1	MID	31	35	1.09	47	4.9	78	22		6.9	1.6	1	3	90 PERCENT		33	6.0	4.6	110	90	20	15	54
2	MID	31	36	1.12	45	4.0	82	23		7.0	1.8	0	3			37	6.4	4.8	90	70	27	20	62
DAMON																							
1	MID LT SP	32	34	1.10	44	4.7	78	22		7.2	2.0	1	3	70 PERCENT		37	6.3	4.6	100	90	12	10	64